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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/701,325	11/04/2003		Mark W. Brockman	68.0114CIP/DIV	4937
35204	7590	12/09/2004		EXAM	INER
		RESERVOIR CO	KRECK, JOHN J		
14910 AIRLINE ROAD P.O. BOX 1590				ART UNIT	PAPER NUMBER
ROSHARO	ROSHARON, TX 77583-1590			3673	
				DATE MAILED: 12/09/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)						
	10/701,325	BROCKMAN ET AL.						
│ Office Action Summary	Examiner	Art Unit						
	John Kreck	3673						
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	with the correspondence address						
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of th riod will apply and will expire SIX (6) MX atute, cause the application to become a	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).						
Status								
1) Responsive to communication(s) filed on								
·—								
,— ,,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
	or Ex parto Quayio, 1000 o.	.5. 11, 100 0.0. 210.						
Disposition of Claims	tta.a							
4) Claim(s) 1-21 is/are pending in the applicat	4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>1-21</u> is/are rejected.	· · · · · · · · · · · · · · · · · · ·							
7) Claim(s) is/are objected to.								
8) Claim(s) are subject to restriction an	nd/or election requirement.							
Application Papers								
9)☐ The specification is objected to by the Exam	niner.							
·	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to								
Replacement drawing sheet(s) including the cor								
11) The oath or declaration is objected to by the	Examiner. Note the attach	ed Office Action or form P1O-152.						
Priority under 35 U.S.C. § 119		•						
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum		. § 119(a)-(d) or (f).						
2. Certified copies of the priority docum								
3. Copies of the certified copies of the		en received in this National Stage						
application from the International Bu * See the attached detailed Office action for a	•	ot received						
See the attached detailed Office action for a	nst of the certified copies in	or received.						
Attachment(s)								
1) Notice of References Cited (PTO-892)		v Summary (PTO-413) o(s)/Mail Date						
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date 	,	f Informal Patent Application (PTO-152)						

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

1. Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tubel, et al. (U.S. Patent number 5,959,547) in view of More, et al. (U.S. Patent number 5,008,664).

Tubel teaches the well having a main bore and a lateral branch; and also teaches the electrical signaling between the main bore and equipment in the lateral branch.

Tubel fails to teach the inductive coupler.

More teaches a downhole communication system comprising inductive couplers.

More teaches that the inductive couplers are beneficial because they simplify handling of downhole tools, and provide for reliable communication.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified the Tubel system to have an inductive coupler as called for in claim 1; in order to simplify handling of downhole tools, and provide for reliable communication.

Regarding independent claim2:

Tubel teaches the well having a main bore and a lateral branch and the connector mechanism; and also teaches the electrical signaling between the main bore and equipment in the lateral branch. Tubel fails to teach the inductive coupler.

More teaches a downhole communication system comprising inductive couplers.

More teaches that the inductive couplers are beneficial because they simplify handling of downhole tools, and provide for reliable communication.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified the Tubel system to have an inductive coupler as called for in claim 2; in order to simplify handling of downhole tools, and provide for reliable communication.

More teaches the electrical cable as called for in claim 3.

With regards to claims 4-7; Tubel teaches communication to multiple bores, thus it would have been obvious to one of ordinary skill in the art at the time of the invention to have further modified the Tubel system to have included second, third, and fourth inductive coupler portions

Regarding independent claim 8:

Tubel teaches the well having a main bore and a lateral branch; equipemtn in the main bore and branch; and also teaches the electrical signaling between the main bore and equipment in the lateral branch. Tubel fails to teach the inductive coupler.

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More teaches a downhole communication system comprising inductive couplers.

More teaches that the inductive couplers are beneficial because they simplify handling of downhole tools, and provide for reliable communication.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified the Tubel system to have an inductive coupler as called for in claim 8; in order to simplify handling of downhole tools, and provide for reliable communication.

With regards to claims 9 and 10; Tubel teaches communication to multiple bores, thus it would have been obvious to one of ordinary skill in the art at the time of the invention to have further modified the Tubel system to have included second and third inductive coupler portions.

Tubel shows the tubing as called for in claim 11.

Tubel teaches the electrical device as called for in claim 12.

Tubel teaches the monitoring module as called for in claim 13.

Tubel teaches the control module as called for in claim 14.

Tubel teaches the casing ("well" in fig. 3) and window as called for in claim 15.

With regards to claims 16 and 17: Tubel fails to clearly show the communication path, however it is apparent that the wiring would travel from the tubing to the connector and then to the lateral bore equipment; thus it would have been obvious to one of ordinary skill in the art at the time of the invention to have the coupler portions attached to the tubing and connector as called for in claim 16; and to the connector and lateral branch equipment as called for in-claim 17.

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Regarding independent claim 20:

Tubel teaches a method of communicating including transmitting signaling between main bore equipment and lateral branch equipment. Tubel fails to teach the inductive coupler.

More teaches a downhole communication system comprising inductive couplers.

More teaches that the inductive couplers are beneficial because they simplify handling of downhole tools, and provide for reliable communication.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified the Tubel system to have an inductive coupler as called for in claim 20; in order to simplify handling of downhole tools, and provide for reliable communication.

More teaches the providing a second coupler and electrically connecting as called for in claim 21.

2. Claims 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tubel and More as applied to claim 8 above, and further in view of Pringle, et al. (U.S. Patent number 5,542,472). Tubel and More fails to teach the hydraulic control line.

Pringle teaches that hydraulic control lines can be used alongside electrical signaling; in order to control hydraulic tools downhole.

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It would have been obvious to one of ordinary skill in the art at the time of the invention to have further modified the Tubel system to have included hydraulic control in order to operate hydraulic devices.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Kreck whose telephone number is (703)308-2725. The examiner can normally be reached on M-F 5:30 am - 2:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Shackelford can be reached on (703)308-2978. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John Kreck Examiner Art Unit 3673